

Experiment Number: 20536 - 02
Test Type: 39-WEEK
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/HSD

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)
Abrasive blasting agents (specular hematite)
CAS Number: HEMATITESPEC

Date Report Requested: 09/13/2012
Time Report Requested: 10:28:08
First Dose M/F: 07/27/09 / NA
Lab: BNW

F1_Rev.1_26 Wk. SSAC

NTP Study Number: C20536
Lock Date: 07/19/2010
Cage Range: ALL
Date Range: ALL
Reasons For Removal: 25017 SSAC
Removal Date Range: 22-Jan-2010 - 22-Jan-2010
Treatment Groups: Include ALL
Study Gender: Male
TDMSE Version: 2.6.0.0_007
PWG Approval Date: 02/08/2012

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Harlan Sprague Dawley RATS MALE

Control

15 mg/m3

30 mg/m3

60 mg/m3

Disposition Summary

	Control	15 mg/m3	30 mg/m3	60 mg/m3
Animals Initially In Study	62	62	62	62
Scheduled Sacrifice	8	8	8	8
Early Deaths				
Survivors				
Animals Examined Microscopically	8	8	8	8

ALIMENTARY SYSTEM

	Control	15 mg/m3	30 mg/m3	60 mg/m3
Intestine Small, Ileum	(0)	(0)	(1)	(1)
Liver	(0)	(1)	(0)	(0)
Hepatodiaphragmatic Nodule		1 (100%)		

CARDIOVASCULAR SYSTEM

None

ENDOCRINE SYSTEM

None

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

None

HEMATOPOIETIC SYSTEM

	Control	15 mg/m3	30 mg/m3	60 mg/m3
Lymph Node, Bronchial	(7)	(5)	(7)	(7)

a - Number of animals examined microscopically at site and number of animals with lesion

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Harlan Sprague Dawley RATS MALE	Control	15 mg/m3	30 mg/m3	60 mg/m3
Foreign Body		5 (100%)	7 (100%)	5 (71%)
Hyperplasia		1 (20%)	1 (14%)	1 (14%)
Infiltration Cellular, Histiocyte		3 (60%)	7 (100%)	5 (71%)
Lymph Node, Mediastinal	(8)	(7)	(8)	(8)
Foreign Body		6 (86%)	7 (88%)	7 (88%)
Hyperplasia		3 (43%)	3 (38%)	6 (75%)
Infiltration Cellular, Histiocyte		5 (71%)	7 (88%)	7 (88%)
Pigmentation, Hemosiderin	2 (25%)		1 (13%)	
INTEGUMENTARY SYSTEM				
Skin	(0)	(1)	(0)	(0)
Inflammation, Chronic Active		1 (100%)		
MUSCULOSKELETAL SYSTEM				
None				
NERVOUS SYSTEM				
None				
RESPIRATORY SYSTEM				
Larynx	(8)	(8)	(8)	(8)
Foreign Body		8 (100%)	8 (100%)	8 (100%)
Inflammation, Chronic Active		1 (13%)		
Ulcer		1 (13%)		
Epiglottis, Metaplasia, Squamous		5 (63%)	5 (63%)	7 (88%)
Epithelium, Hyperplasia		1 (13%)		
Glands, Concretion	2 (25%)		2 (25%)	
Glands, Inflammation, Suppurative			1 (13%)	
Lung	(8)	(8)	(8)	(8)

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Harlan Sprague Dawley RATS MALE	Control	15 mg/m3	30 mg/m3	60 mg/m3
Foreign Body		8 (100%)	8 (100%)	8 (100%)
Infiltration Cellular, Histiocyte	2 (25%)	8 (100%)	8 (100%)	8 (100%)
Inflammation, Chronic Active		2 (25%)		4 (50%)
Metaplasia, Osseous		1 (13%)		1 (13%)
Alveolar Epithelium, Hyperplasia		8 (100%)	8 (100%)	8 (100%)
Interstitial, Fibrosis				3 (38%)
Nose	(8)	(8)	(8)	(8)
Inflammation, Chronic Active			1 (13%)	
Goblet Cell, Hyperplasia				1 (13%)
Olfactory Epithelium, Accumulation, Hyaline Droplet	8 (100%)	8 (100%)	8 (100%)	8 (100%)
Olfactory Epithelium, Metaplasia, Respiratory			1 (13%)	
Respiratory Epithelium, Accumulation, Hyaline Droplet	2 (25%)	2 (25%)	3 (38%)	5 (63%)
Trachea	(8)	(8)	(8)	(8)
Foreign Body		1 (13%)	3 (38%)	1 (13%)
Inflammation, Chronic Active	1 (13%)	1 (13%)	3 (38%)	1 (13%)
Metaplasia, Osseous			1 (13%)	
Glands, Inflammation		1 (13%)		
SPECIAL SENSES SYSTEM				
Lacrimal Gland	(0)	(1)	(0)	(0)
Inflammation, Chronic Active		1 (100%)		
URINARY SYSTEM				
None				

*** END OF REPORT ***

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